

Prof. Sang-Woo Joo | KAST Fellow

Vice President for Global Engagement & Chair Professor

Tongmyong University & Yeungnam University

Prof. Sang-Woo Joo is a distinguished scholar in mechanical engineering and a seasoned executive leader in global higher education. Holding a Ph.D. from the University of Michigan, Ann Arbor, he currently serves as Vice President for Global Engagement and Dean of Busan International College at Tongmyong University, as well as Chair Professor at Yeungnam University. Recognized as a Fellow of the Korea Academy of Science and Technology (KAST) and ranked among the Top 0.05% scholars globally by ScholarGPS, Prof. Joo has authored over 700 SCI papers and spearheaded major national research initiatives totaling over KRW 20 Billion.

KEY RESEARCH ACCOMPLISHMENTS

Global Scientific Leadership: Ranked in Top 0.05% Scholar Worldwide (ScholarGPS) & Top 2% Scientist Worldwide (Stanford/Elsevier).

SCI Journal Publications: Published 700+ papers as primary author in top-tier SCI-indexed international journals.

RLRC Research Center: Principal Investigator for Regional Leading Research Center, Ministry of Science and ICT (7 yrs, KRW 16B).

WCU Excellence Initiative: Principal Investigator for World Class University Project, Ministry of Education (5 yrs, KRW 4B).

VISITING APPOINTMENTS & GLOBAL COLLABORATIONS

Oak Ridge National Laboratory / UT Knoxville: Visiting Professor, Chemical Engineering (2014–15)

US EPA / Univ. of Nevada, Las Vegas: Visiting Professor, Mechanical Engineering (2007–08)

US Department of Energy / Northwestern Univ.: Visiting Professor, Applied Mathematics (1998–99)

DAAD / Univ. of Augsburg, Germany: Visiting Professor, Dept. of Physics (1997)

The Royal Society / Trinity College, Cambridge: Visiting Fellow, Applied Mathematics (1996)

NASA Lewis Research Center, USA: Faculty Fellow, Flight Experiments Division (Summers 1993, '94)

ACADEMIC & INSTITUTIONAL SERVICE

Executive Academic Administration

- Vice President for International Affairs: Yeungnam University (16th President's Tenure).
- Dean & Director: Office of International Affairs & Institute for International Education (11th, 13th Tenures).
- Director Roles: Foreign Language Institute, Korean Language Institute, and Yeungnam America Center.

National Advisory & Committee Roles

- National Science & Technology Council: Expert Member (Former).
- National Energy Commission: Technical Advisory Committee Member (Former).
- National Research Foundation of Korea (NRF): Expert Member (Former).

EDUCATION & CREDENTIALS

- **Ph.D. in Mechanical Engineering:** University of Michigan, Ann Arbor (1989)
- **M.S. & B.S. in Mechanical Engineering:** Seoul National University (1984, 1982)
- **KAST Fellow:** Full Member, The Korea Academy of Science and Technology
- **Chair Professor & Executive:** Tongmyong University & Yeungnam University